



MATERIAL SAFETY DATA SHEET #4307

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DATE ISSUED: 10/01/01
SUPERSEDES: 06/25/01

I. PRODUCT IDENTIFICATION

Product: LESCO® Professional Control Product Dimension® Plus Fertilizer,
LESCO® Scenic Green™ Crabgrass Pre-emergent + Lawn Fertilizer
Chemical Name/Synonyms: Dithiopyr

Chemical Family: NA

II. PRODUCT INFORMATION: INGREDIENTS

Chemical Name	TLV/TWA	%(by wt.)	CAS#
Dithiopyr, 3,5-pyridinedicarbothioic acid, 2-(difluoromethyl)- 4-(2-methylpropyl)-6-(trifluoromethyl)-S,S-dimethyl ester	None	0.07 - 0.21%	97886-45-8

Formulated with one or more of the following ingredients. Check specific product label.

Urea	10 mg/M ³ (dust) 5 mg/M ³ (resp)	0-98	57-13-6
Potassium Chloride	10 mg/M ³	0-95	7447-40-7
Potassium Sulfate	10 mg/M ³	0-95	7778-80-5
Monoammonium Phosphate	15 mg/M ³ (dust) 5 mg/M ³ TLV	0-95	7722-76-1
Diammonium Phosphate	15 mg/M ³ (dust) 5 mg/M ³ (resp)	0-95	7783-28-0
Ammonium Sulfate	15 mg/M ³ (dust)	0-95	7783-20-2
Calcium Carbonate	ND	0-95	1317-65-3
Sulfur	5 ppm(SO ₂)	0-20	7704-39-9
Iron Oxide	15 mg/M ³ (dust)	0-10	1309-37-1
Iron Sulfate	15 mg/M ³ (dust)	0-10	7720-78-7
Manganese Oxide	15 mg/M ³ (dust)	0-10	1317-35-7
Magnesium Sulfate	15 mg/M ³ (dust)	0-10	7478-88-9

III. PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point:	NA	Specific Gravity (water=1):	NA
Melting Point:	133°C(urea)	Bulk Density (lbs./cu. ft.):	45-65
Vapor Pressure (mm Hg):	NA	Evaporation Rate:	NA
Vapor Density (air = 1):	NA	Percent Volatile:	NA
Solubility in Water:	Disperses	Appearance and Odor:	Yellow granules, nutty odor.
pH: NA			

IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point (method used):	NA	Auto Ignition Temperature:	NA
Lower Explosion Limits:	NA	Upper Explosion Limits:	NA
NFPA/HMIS RATING:	HEALTH 2	FIRE 1	REACTIVITY 0
Extinguishing Media:	<input checked="" type="checkbox"/> Foam <input checked="" type="checkbox"/> Water Spray	<input type="checkbox"/> Alcohol Foam <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Dry Chemical <input checked="" type="checkbox"/> CO ₂

Special Fire-Fighting Procedures: Wear self-contained, positive pressure breathing apparatus and full fire fighting protective clothing. Keep unnecessary people away. Use as little water as possible. Dike area of fire to prevent pesticide run-off. Use spray or fog - solid stream may cause spreading.

Do not contaminate personnel or equipment, or handle broken packages or containers without protective equipment as specified in the Exposure Control Section. Decontaminate emergency personnel with soap and water before leaving the fire area.

Avoid breathing dusts, vapors and fumes from burning materials. Control run-off water - if water enters a drainage system, advise the authorities downstream.

Avoid heavy dose streams; airborne dusts may create an explosion hazard. Fertilizer will become slippery when wet. Guard against falls.

Unusual Fire and Explosion Hazards: This material has been tested in a 20-liter spherical bomb and has been found to be a Class ST-1 dust explosion hazard. If the material is further processed, the dust explosion hazard may change and it should be retested. At high temperatures, nitrogen containing fertilizer can form cyanuric acid, hydrogen cyanide and ammonia. Ammonium carbamate may also be formed. Contamination with strong acids may create an explosion hazard. Fertilizer will become slippery when wet. Guard against falls.

V. HEALTH HAZARDS

Primary Route(s) of Entry: Skin, eyes, inhalation, ingestion.

Signs & Symptoms of Exposure

Acute: Direct contact with the material can cause substantial irritation.

Chronic: Repeated overexposure to the active ingredient in this material can cause the following: Kidney effects, liver effects, blood effects, thyroid damage, adrenal effects.

Emergency First-Aid Procedures

Eyes: Flush with copious amounts of water. Get medical attention.

Skin: Remove contaminated clothing. Wash with soap and water. Get medical attention if irritation persists.

Inhalation: Remove to fresh air. Give artificial respiration if not breathing and get medical attention.

Ingestion: Drink two glasses of water. Immediately seek medical attention.

Toxicity Information:

Oral LD₅₀: Acute(rat): 3600 mg/kg

Dermal LD₅₀: Acute(rabbit): >5000 mg/kg

Eye Irritation: rabbit: substantial irritation.

Skin Irritation: rabbit: severe irritation.

Positive Teratogen or Mutagen Carcinogen(NTP): No

Potential Carcinogen (IARC or OSHA): No

VI. REACTIVITY

Stability: ☒ Stable ☐ Unstable

Conditions to Avoid: None

Incompatibility: Avoid contamination with oxidizing agents or strong alkalis.

Hazardous Decomposition Products: Possible combustion products of fertilizer component include oxides of carbon, sulfur and nitrogen. Urea also decomposes to biuret and cyanuric acid. Urea reacts with sodium or calcium hypochlorite to form explosive nitrogen trichloride.

Hazardous Polymerization: ☒ Will not occur ☐ Will occur

VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

If material is spilled: If dry, sweep or shovel into a container for reuse per label instructions or disposal. If liquid, contain spill and absorb with inert material and place in container for disposal. Prevent from entering drains, sewers or water sources. Avoid contact with skin, eyes, clothing.

Waste Disposal Method: Dispose according to Federal EPA procedures as outlined in the Resource Conservation Recovery Act (RCRA) and follow state and local guidelines. Be sure containers are completely empty before disposal.

VIII. SPECIAL PROTECTION INFORMATION

Protective Equipment Suggested for Outdoor Application:

☒ Impervious Gloves ☐ Dust Mask ☐ Respirator(use NIOSH/MSHA approved)

☒ Impervious Boots ☒ Clean Clothing ☒ Eye Goggles / Safety Glasses

Protective Equipment Suggested for Confined Areas:

☒ Sufficient Ventilation ☒ Respirator(use NIOSH/MSHA approved)

☒ Dust Mask ☒ Splash Goggles/Safety Glasses

☒ Eyewash Station ☒ Emergency Shower ☐ Impervious Apron

IX. STORAGE AND HANDLING

Precautions: Store in a cool, dry place if possible. Separate from other pesticides, fertilizers, seed, feed, foodstuffs, and away from drains, sewers, and water sources.

Other Precautions: Do not store in temperatures above 120° F. Keep away from fire, sparks or other ignition sources. Segregate from oxidizers and incompatible material listed under Reactivity Data Section. Due to dust explosion hazard, all equipment should have explosion venting per NFPA 68-1978. All electrical wiring and equipment should meet the provisions of NFPA-70. Store in original, unopened or sealed containers. Do not store in unmarked containers. Wash thoroughly with soap and water after handling.

X. FEDERAL REGULATORY INFORMATION:

SARA TITLE III; SEC. 311/312 HAZARD CATEGORIESN Immediate (acute Health)

SEC 302: NA

Y Delayed (Chronic) Health

SEC 304: NA

N Fire

SEC 313: NA

N Sudden Release of Pressure

CERCLA RQ: NA

N Reactivity

CAA RQ: NA

EPA Reg. No.: 10404-84, 10404-85, 10404-86, 10404-87

HM 181 Shipping Name: Not Regulated.

NA = Not Applicable ND = Not Determined

Preparation and distribution of this Material Safety Data Sheet done by LESCO, Inc., 15885 Sprague Road, Strongsville, Ohio 44136-1799, pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200).

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For further information, contact: LESCO, Inc., • 15885 Sprague Road • Strongsville, OH 44136-1799 or (800) 321-5325.